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PATENT  
Docket No.: 19603/1453 (CRF D-2008B)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Xin-Yun Huang

Serial No. : 09/273,217

Cnfrm. No. : 6809

Filed : March 19, 1999

For : METHODS FOR IDENTIFYING SPECIFIC  
ION CHANNEL BLOCKERS

Examiner:  
N.S. Basi

Art Unit:  
1646

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TECH CENTER 1600/2900

AMENDMENT

U.S. Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202  
Box:

Dear Sir:

In response to the August 27, 2002, office action, please amend the above-identified patent application as follows:

In the Claims:

Please amend claims 1 and 19 as follows:

G'  
F'

1. (Four Times Amended) A method of identifying an ion channel blocker for an ion channel comprising:  
providing a functional ion channel having an external vestibule portion, wherein said external vestibule portion is the portion of the ion channel located between an S5 transmembrane and pore forming region of the ion channel or between the pore forming region and an S6 transmembrane of the ion channel, and  
identifying, as an ion channel blocker for an ion channel, an antibody, binding portion of the antibody, probe, or ligand which inhibits ion transport through the ion channel by binding to the external vestibule portion of the ion channel.